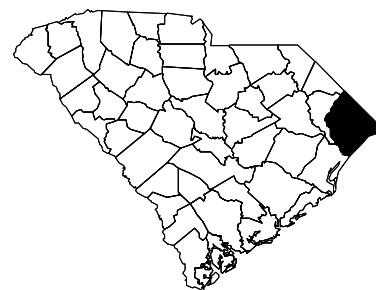


IMPACT OF CHRONIC CONDITIONS HORRY County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Horry county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Horry county's population is similar to the state population. The majority (39%) of the population in Horry county are between the ages of 18-44, and there are more females (51%) than males (49%). Horry county has a lower minority population (18%) than the state (32%). Horry county's population aged 65 and older (15%) is higher than the state (12%). When adults in Horry county were asked about their general health status, 81.9% reported having excellent, very good, or good health in 2002 (SC was 83%).

	HORRY COUNTY	STATE
Population size	206,039	4,107,183
Age distribution (%)		
<18	20	24
18-44	39	40
45-64	25	24
65-84	14	11
85+	1	1
Race (%)		
White	82	68
Black & Other	18	32
Sex (%)		
Male	49	49
Female	51	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Horry county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	35	27
Sedentary lifestyle	54	42
Overweight	57	60
High Cholesterol	3	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons 65 years and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	24.5	-	-	-	-	28.4
Number of hospitalizations	222	90	132	88	134	5,173
Standard rate of hospitalizations (per 100,000)	98	322	67	84	109	125
Median age of hospitalized patients	68	63	73	65	73	68
Total cost of hospitalization (\$)	3,472,200	1,450,500	2,021,700	1,498,400	1,973,800	79,350,400
Average length of hospital stay (days)	5	5	5	5	5	5
Number of ED visits	516	178	338	210	306	7,306
Standard rate of ED visits (per 100,000)	228	569	167	194	255	175
Median age of ED patients	58	48	68	53	58	53
Total cost of ED visits (\$)	429,100	167,300	261,800	179,300	249,800	5,902,800
Number of deaths*	15	5	10	7	8	366
Standard death rate (per 100,000)*	7	28	6	7	7	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	5.87					5.13
Number of hospitalizations	1,761	197	1,564	1,062	699	30,831
Standard rate of hospitalizations (per 100,000)	736	763	735	970	538	734
Median age of hospitalized patients	68	63	68	63	68	68
Total cost of hospitalization (\$)	56,297,100	5,568,000	50,729,100	37,183,900	19,113,200	969,122,700
Average length of hospital stay (days)	4	5	4	4	4	5
Number of ED visits	163	18	145	104	59	2,754
Standard rate of ED visits (per 100,000)	69	70	70	95	47	66
Median age of ED patients	58	53	60	58	60	63
Total cost of ED visits (\$)	500,600	50,900	449,700	344,300	156,300	10,617,900
Number of deaths*	480	44	435	254	226	9,723
Standard death rate (per 100,000)*	224	207	228	273	185	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	2.21	-	-	-	-	2.38
Number of hospitalizations	783	126	657	368	415	14,317
Standard rate of hospitalizations (per 100,000)	335	526	313	348	323	351
Median age of hospitalized patients	73	73	73	68	78	73
Total cost of hospitalization (\$)	12,063,400	2,541,400	9,522,000	6,012,900	6,050,500	279,819,700
Average length of hospital stay (days)	5	7	5	5	5	6
Number of ED visits	142	29	113	75	67	2,732
Standard rate of ED visits (per 100,000)	62	114	55	75	53	67
Median age of ED patients	68	68	73	70	68	73
Total cost of ED visits (\$)	313,900	70,400	243,500	170,000	143,900	6,322,600
Number of deaths*	125	19	105	55	70	2,816
Standard death rate (per 100,000)*	59	86	56	65	56	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	844	134	710	328	516	14,524
Standard rate of hospitalizations (per 100,000)	365	452	341	310	421	351
Median age of hospitalized patients	63	43	68	63	63	58
Total cost of hospitalization (\$)	11,020,000	1,410,200	9,609,800	3,876,300	7,143,700	198,700,700
Average length of hospital stay (days)	5	4	5	4	5	5
Number of ED visits	1,794	604	1,190	720	1,074	37,517
Standard rate of ED visits (per 100,000)	870	1,702	675	720	1,026	914
Median age of ED patients	33	23	38	28	33	33
Total cost of ED visits (\$)	1,351,400	426,200	925,200	577,300	774,100	30,607,600
Number of deaths*	104	5	99	53	51	1,891
Standard death rate (per 100,000)*	47	24	49	52	40	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	3.16	-	-	-	-	8.33
Number of hospitalizations	398	138	260	206	192	8,652
Standard rate of hospitalizations (per 100,000)	179	494	137	198	161	207
Median age of hospitalized patients	58	58	55	55	58	53
Total cost of hospitalization (\$)	5,643,100	2,178,600	3,464,500	3,085,300	2,557,800	127,167,500
Average length of hospital stay (days)	5	6	5	6	5	6
Number of ED visits	350	136	214	168	182	9,316
Standard rate of ED visits (per 100,000)	157	470	111	162	153	224
Median age of ED patients	55	55	.	28	58	53
Total cost of ED visits (\$)	339,900	130,400	209,500	180,700	159,200	8,261,100
Number of deaths*	44	12	32	13	19	1,114
Standard death rate (per 100,000)*	20	58	16	15	17	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1,196	229	967	487	709	24,644
Standard rate of hospitalizations (per 100,000)	511	805	463	433	598	591
Median age of hospitalized patients	63	53	63	68	58	58
Total cost of hospitalization (\$)	25,174,600	3,871,600	21,303,000	11,564,800	13,609,800	605,119,300
Average length of hospital stay (days)	5	5	5	6	5	6
Number of deaths*	477	53	422	286	191	8,320
Standard death rate (per 100,000)*	202	243	199	276	146	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	105	13	92	63	42	2,113
Standard rate of hospitalizations (per 100,000)	43	53	42	56	34	51
Median age of hospitalized patients	68	63	68	68	68	68
Total cost of hospitalization (\$)	3,147,000	264,800	2,882,200	2,230,200	916,800	80,248,200
Average length of hospital stay (days)	8	7	8	9	7	10
Number of deaths*	42	10	32	24	18	807
Standard death rate (per 100,000)*	19	45	16	22	15	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	46	9	37	.	46	1,465
Standard rate of hospitalizations (per 100,000)	19	34	18	.	37	35
Median age of hospitalized patients	63	58	63	.	63	63
Total cost of hospitalization (\$)	589,400	140,900	448,500	.	589,400	21,213,600
Average length of hospital stay (days)	3	3	3	.	3	3
Number of deaths*	31	7	24	-	31	630
Standard death rate (per 100,000)*	13	32	11	-	24	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	16	1	15	.	16	222
Standard rate of hospitalizations (per 100,000)	8	3	8	.	15	5
Median age of hospitalized patients	45	38	48	.	45	48
Total cost of hospitalization (\$)	254,500	22,000	232,500	.	254,500	3,668,300
Average length of hospital stay (days)	4	4	4	.	4	4
Number of deaths*	-	4	-	4	2	26
Standard death rate (per 100,000)*	-	2	-	3	2	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	120	13	107	65	55	2,154
Standard rate of hospitalizations (per 100,000)	48	49	47	54	42	51
Median age of hospitalized patients	68	63	68	68	68	68
Total cost of hospitalization (\$)	3,318,800	256,600	3,062,200	1,639,600	1,679,200	70,474,400
Average length of hospital stay (days)	7	5	7	6	8	9
Number of deaths*	152	10	142	100	52	2,481
Standard death rate (per 100,000)*	63	44	65	92	40	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	91	17	74	91	.	1,353
Standard rate of hospitalizations (per 100,000)	35	63	31	77	.	32
Median age of hospitalized patients	63	58	68	63	.	68
Total cost of hospitalization (\$)	1,338,900	235,800	1,103,100	1,338,900	.	24,726,200
Average length of hospital stay (days)	3	4	3	3	.	4
Number of deaths*	18	-	18	18	-	478
Standard death rate (per 100,000)*	9	-	9	22	-	12

*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

For more information about

Chronic diseases in South Carolina contact:

Patsy Myers, RD, MS, DrPH
Bureau of Epidemiology
SC Department of Health and Environmental Control
1800 St. Julian Place, Suite 406
Columbia, SC 29204
Tel (803) 545-4920

Hospital discharges and ED visits, contact:

Sandra Kelly
Office of Research and Statistics
SC Budget and Control Board
1919 Blanding Street
Columbia, SC 29201
(803) 898-9958
skelly@ors.state.sc.us

